

# CLAIMS

1 1. A method comprising:  
 2 enumerating plausible queries of a target database using  
 3 query generation rules; and  
 4 generating associated teasers for each of the enumerated  
 5 queries using query-matching rules.

1 2. The method of claim 1 further comprising storing the  
 2 enumerated queries and their associated teasers in a lookup  
 3 table.

1 3. The method of claim 2 further comprising:  
 2 receiving a user query of the target database;  
 3 determining whether the user query matches an enumerated  
 4 query in the lookup table; and  
 5 displaying the teaser associated with the enumerated  
 6 query in response to determining.

1 4. The method of claim 1 wherein the query generation rules  
 2 are domain specific.

1 5. The method of claim 1 wherein the query matching rules  
 2 are domain specific.

1 6. The method of claim 1 wherein generating further  
 2 comprises conflict resolution rules.

1 7. The method of claim 1 wherein the target database resides  
 2 on a server connected to the Internet.

1 8. A computer program stored on a computer-readable medium,  
2 the computer program comprising instructions that cause a  
3 computer to:

4 enumerate plausible queries of a target database using  
5 query generation rules; and

6 generate associated teasers for each of the enumerated  
7 queries using query matching rules.

1 9. A method comprising:

2 identifying queries that match elements in a target  
3 database;

4 receiving a user query;

5 determining if the user query matches one of the  
6 identified queries; and

7 if the user query matches one of the identified queries,  
8 providing target database information to a user that relates  
9 to the user query.

1 10. The method of claim 9 wherein the database resides on a  
2 server.

1 11. The method of claim 10 wherein the server resides in a  
2 network.

1 12. The method of claim 9 wherein identifying comprises:

2 applying query-generation rules to the target database;

3 applying query-matching rules to each of the queries to

4 generate associated teasers; and

5 building a mapping from the queries to their associated  
6 teasers.

1 13. The method of claim 12 wherein building the mapping  
2 comprises storing the queries and associated teasers in a hash  
3 table.

1 14. The method of claim 12 wherein building the mapping  
2 comprises storing the queries and associated teasers in a  
3 cache.

1 15. The method of claim 12 wherein building the mapping  
2 comprises storing the queries and associated teasers in a trie  
3 data structure.

1 16. A method comprises:  
2 pre-processing a target database;  
3 building a mapping from selected queries to associated  
4 teasers for the target database;  
5 receiving a user query for the target database; and  
6 returning an associated teaser if the user query matches  
7 one of the selected queries.

1 17. The method of claim 16 wherein pre-processing comprises:  
2 identifying selected queries in conjunction with query-  
3 generation rules; and  
4 generating an associated teaser for each of the selected  
5 queries in conjunction with query-matching rules.

1 18. The method of claim 16 wherein building a mapping  
2 comprises storing each of the selected queries with the  
3 associated teaser.

1 19. The method of claim 18 wherein storing comprises placing  
2 each of the selected queries with associated teaser in a trie  
3 data structure.

1 20. The method of claim 18 wherein storing comprises placing  
2 each of the selected queries with associated teaser in a hash  
3 table.

1 21. The method of claim 18 wherein storing comprises placing  
2 each of the selected queries with associated teaser in a  
3 cache.

1 22. The method of claim 18 wherein storing comprises placing  
2 each of the selected queries with associated teaser in a  
3 lookup table.

1 23. The method of claim 16 further comprising displaying the  
2 associated teaser.

1 24. A computer program stored on a computer-readable medium,  
2 the computer program comprising instructions that cause a  
3 computer to:

4 identify queries that match elements in a target  
5 database;  
6 receive a user query;

7       determine if the user query matches one of the identified  
8 queries; and

9       provide target database information to a user that  
10 relates to the user query if the user query matches one of the  
11 identified queries.

1   25. The computer program of claim 24 wherein the instruction  
2       to identify comprises instructions to cause the computer  
3       to:

4       apply query-generation rules;

5       apply query-matching rules to each of the queries to  
6 generate associated teasers; and

7       build a mapping from the queries to the associated  
8 teasers.

1   26. A computer program stored on a computer-readable medium,  
2 the computer program comprising instructions that cause a  
3 computer to:

4       pre-process a target database;

5       build a mapping from selected queries to associated  
6 teasers for the target database;

7       receive a user query for the target database; and

8       return an associated teaser if the user query matches one  
9 of the selected queries.

1   27. An apparatus comprising:

2       a memory that stores executable instructions; and

3       a processor that executes the instructions to:

4       pre-process a target database;

5        build a mapping from selected queries to associated  
 6        teasers for the target database;  
 7        receive a user query for the target database;  
 8        return an associated teaser if the user query matches one  
 9        of the selected queries; and  
 10       display the associated teaser to the user.

1    28.   An apparatus comprising:  
 2        a memory that stores executable instructions; and  
 3        a processor that executes the instructions to:  
 4            enumerate plausible queries of a target database  
 5        using query generation rules; and  
 6            generate associated teasers for each of the  
 7        enumerated queries using query matching rules.

10984-601001-P272